

CLAIMS

1. Cable connector (1) comprising a housing having a die-cast base (2) substantially extending between a front side (3) and a rear side (4) of said connector (1) characterized by

- 5 - a die-cast first housing part (7) mounted to said die-cast base (2) such that said die-cast first housing part (7) and a first portion (9) of said die-cast base (2) determine a first cable connector portion at said rear side (4);
- a metal sheet formed second housing part (8) mounted to said
10 die-cast base (2) such that said metal sheet formed second housing part (8) and a second portion (10) of said die-cast base (2) determine a second cable connector portion at said front side (3).

2. Cable connector (1) according to claim 1, wherein
15 said die-cast first housing part (7) is a modular first housing part and said first cable connector portion (9) comprises a ferrule holder portion.

3. Cable connector (1) according to claim 1 or 2, wherein said first cable connector portion comprises a cable
20 entrance opening (52) at said rear side (4) and a shaft (51, 51'), outwardly protruding from said first cable connector portion.

4. Cable connector (1) according to any one of the preceding claims, wherein said metal sheet formed second
25 housing part (8) is a modular second housing part and said second portion (10) of said die-cast base (2) comprises a receiving structure (37) for said second housing part (8).

5. Cable connector (1) according to claim 4, wherein the wall thickness of said second portion (10) of said die-cast
30 base (2) is approximately 0,4 - 0,6 mm.

6. Cable connector (1) according to any one of the preceding claims, wherein said second cable connector portion comprises an opening (13) at said front side (3) and connecting means (12) located within said second cable connector portion

with respect to at least one edge (14, 15, 16, 17) determining said opening (13).

7. Cable connector (1) according to any of the preceding claims, wherein said second portion (10) of said die-cast base (2) comprises a wire management portion (31) and a connecting means portion (32) with reception means (40) adapted for receiving said connecting means (12).

8. Cable connector (1) according to claims 6 or 7, wherein said connecting means (12) comprises one or more connecting blocks (60, 70, 80), said connecting blocks (60, 70, 80) comprising protrusions (64, 74) and/or holes (65, 85) adapted to cooperate with said reception means (40).

9. Cable connector according to claim 8, wherein said connecting means (12) further comprises one or more wafers (71) associated with said connecting blocks (60, 70, 80), said wafers (71) comprising holes (73) to cooperate with said protrusions (64, 74) and/or said reception means (40).

10. Cable connector (1) according to any of the preceding claims, wherein said cable connector (1) comprises connecting means (12) at said front side (3) with one or more wafers (71), said wafers (71) comprising a plurality of signal tracks (82) and/or ground tracks (83) for termination of cable wires (6).

11. Cable connector (1) according to claims 9 or 10, wherein said wafers (71) comprise a shielding plane (75) on a side opposite to the side of said signal and/or ground tracks (82, 83).

12. Cable connector (1) according to any one of the preceding claims, wherein said die-cast base (2) comprises one or more ridges (39).

13. Cable connector (1) according to claim 12, wherein said ridges (39) are located in at least a part of said second portion (10) of said die-cast base (2) extending in an axial direction of said cable connector (1).

14. Cable connector (1) according to claim 13, wherein said part of said second portion (10) of said die-cast base (2) is a wire management portion (31).

15. Cable connector (1) according to claim 13 or 14, wherein at least one of said ridges in the connecting portion 32 of the die-cast base 2 of the cable connector 1. (39) comprises one or more protrusions extending from said ridge (39) in a direction substantially perpendicular to said axial direction.

16. Cable connector (1) according to any one of the preceding claims, wherein said metal sheet formed second housing part (8) comprises one or more protrusions (45) for mounting said metal sheet formed second housing part (8) to said die-cast first housing part (7).

17. Cable connector (1) according to any one of the preceding claims, wherein said metal sheet formed second housing part (8) comprises spring contacts (44) adapted to be received by said first portion (9) of said die-cast base (2).

18. Method of assembling a cable (5) to a cable connector (1) according to any of the claims 1-17, comprising the steps of:

- providing a cable (5) having a cable ferrule (6) in said first portion (9) of said die-cast base (2);
- mounting said metal sheet formed second housing part (8) to said second portion (10) of said die-cast base (2);
- mounting said die-cast first housing part (7) to said first portion (9) of said die-cast base (2) while clamping protrusions (45) of said metal sheet formed second housing part (8) between said cable ferrule (6) and said die-cast first housing part (7).

19. Method according to claim 18, further comprising the step of cutting cable wires (11) of said cable (5) to an appropriate length with respect to signal tracks (82) of one or more wafers (71) of connecting means (12) of said cable connector (1) after positioning said ferrule (6) in said die-cast base (2).

20. Method according to claim 19, wherein said cable wires (11) are cut slightly larger than the distance between said ferrule (6) and wire termination parts of said signal tracks (82).

21. Metal sheet formed housing part (8) of a cable connector (1), said cable connector further comprising a die-cast base (2) substantially extending between a front side (3) and a rear side (4) of said cable connector (1) and a die-cast housing part (7) adapted to be mounted to said die-cast base (2), wherein said metal sheet formed housing part (8) is adapted to be mounted to said die-cast base (2) and said die-cast housing part (7).

22. Metal sheet formed housing part (8) according to claim 21, wherein said part (8) comprises protrusions (45) for mounting said part to said die-cast housing part.

23. Metal sheet formed housing part (8) according to claim 21 or 22, wherein said part (8) comprises spring contacts (44).

24. Metal sheet formed housing part (8) according to any one of the claims 21-23, wherein said housing part (8) has a U-shape.